

## INFORMATION DISCLOSURE CITATION

IN AN APPLICATION  
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
CHK	AA 4522752	11-Jun-1985	Sisto et al.	260	112.5 R	10-May-1984
	AB 4833080	23-May-1989	Brent et al.	435	172.3	12-Dec-1985
	AC 4868116	19-Sep-1989	Morgan et al.	435	240.2	09-Jul-1986
	AD 4897355	30-Jan-1990	Eppstein et al.	435	240.2	29-Oct-1987
	AE 5061811	29-Oct-1991	Pinori et al.	549	274	14-Dec-1989
	AF 5096815	17-Mar-1992	Ladner et al.	435	69.1	06-Jan-1989
	AG 5176996	05-Jan-1993	Hogan et al.	435	6	22-Dec-1989
	AH 5190762	02-Mar-1993	Yarosh	424	450	23-Jan-1991
	AI 5198346	30-Mar-1993	Ladner, et al.	435	69.1	26-Jul-1990
	AJ 5223409	29-Jun-1993	Ladner et al.	435	69.7	01-Mar-1991
	AK 5252348	12-Oct-1993	Schreier et al.	424	450	30-Jul-1992
	AL 5256775	26-Oct-1993	Froehler	536	25.6	05-Jun-1990
	AM 5264564	23-Nov-1993	Matteucci	536	23.1	30-Jul-1990
	AN 5283317	01-Feb-1994	Saifer et al.	528	405	11-Oct-1991
	AO 5288514	22-Feb-1994	Elman	427	2	14-Sep-1992
	AP 5359115	25-Oct-1994	Campbell et al.	558	110	11-Sep-1992
	AQ 5362899	08-Nov-1994	Campbell	558	108	09-Sep-1993
	AR 5459039	17-Oct-1995	Modrich et al.	435	6	18-Mar-1994
CHK	AS 5498531	12-Mar-1996	Jarrell	435	91.31	10-Sep-1993

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
CHK	AT A43075	01-Jun-1982	EP	C12N	15/00		
CHK	AU 0259149	03-Sep-1988	EP	A61K	39/15		
	<del>AW 1043281</del>	<del>03-Sep-1988</del>	<del>EP</del>	<del>C12N</del>	<del>15/00</del>		
CHK	AW WO8902468	23-Mar-1989	PCT	C12N	15/00		
	AX WO8907136	10-Aug-1989	PCT	C12N	5/00		
	AY WO9002909	22-Mar-1990	PCT	F23D	14/62		
	AZ WO9106309	16-May-1991	PCT	A61K	37/22		
CHK	BA WO9207573	14-May-1992	PCT	A61K	35/12		

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CTK	BB	WO9209690	11-Jun-1992	PCT	C12N	15/00	
	BC	WO9210092	25-Jun-1992	PCT	A01N	1/02	
	BD	WO9215694	17-Sep-1992	PCT	C12N	15/85	
	BE	WO9320242	14-Oct-1993	PCT	C12Q	1/70	
	BF	WO9325234	23-Dec-1993	PCT	A61K	39/12	
	BG	WO9406920	31-Mar-1994	PCT	C12N	15/86	
	BH	WO9408051	14-Apr-1994	PCT	C12Q	1/68	
	BI	WO9410300	11-May-1994	PCT	C12N	15/10	
CTK	BJ	WO9416101	21-Jul-1994	PCT	C12Q	1/68	

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CTK	BK	Abremski et al., "Bacteriophage P1 Site-Specific Recombination, Purification and Properties of the Cre Recombinase Protein", J. Biol. Chem. 259:1509-1514 (1984)					
	BL	Arkin and Yourvan, "An Algorithm for Protein Engineering: Simulations of Recursive Ensemble Mutagenesis", PNAS USA 89:7811-7815 (1992).					
	BM	Armentano et al., "Expression of Human Factor IX In Rabbit Hepatocytes By Retrovirus-Mediated Gene Transfer: Potential for Gene Therapy of Hemophilia B", PNAS USA 87:6141-6145 (1990).					
	BN	Austubel, F.M. et al., "Preparation of a Specific Retrovirus Producer Cell Line", Current Protocols in Molecular Biology Sections 9.10-9 14 (eds.). Greene Publishing Associates (1989).					
	BO	Balinderan et al., "Preliminary Crystallization Studies of Calmodulin-Dependent Protein Phosphatase (Calcineurin). From Bovine Brain", Molecular and Cellular Biochemistry 149/150:127-130 (1995).					
	BP	Ballas et al., "Liposomes Bearing a Quaternary Ammonium Detergent as an Efficient Vehicle for Functional Transfer of TMV-RNA Into Plant Protoplasts", Biochim. Biophys. Acta 939:8-18 (1988).					
	BQ	Banga et al., "Hydrogel-Based Ionotherapeutic Delivery Devices for Transdermal Delivery of Peptide/Protein Drugs", Pharm Res 10:697-702 (1993).					
	BR	Barany, "Genetic Disease Detection and DNA Amplification Using Cloned Thermostable Ligase", PNAS USA 88:189-193 (1991).					
	BS	Barbas et al., "Semisynthetic Combinatorial Antibody Libraries: A Chemical Solution to the Diversity Problem", PNAS 89:4457-4461 (1992).					
	BT	Barford D., "Molecular Mechanisms of the Protein Serine/Threonine Phosphatases", TIBS 21:407-412 (1996).					
	BU	Bartel et al., "Elimination of False Positives That Arise in Using the Two-Hybrid System", BioTechniques 14:920-924 (1993).					
CTK	BV	Bartlett et al., "CAVEAT: A Program to Facilitate the Structure-derived Design of Biologically Active Molecules", Spec. Publ., Roy Soc. Chem 78:182-196 (1989).					

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CHK	BW	Backlund et al., "Angiogenesis Is Associated with Coated Endocytic Intermediates and Undergoes Stimulation-dependent Regulation in Neonatal Endothelial Cells", <i>Biol. Chem.</i> 272:30984-30992 (1997).
	BX	Beals et al., "Nuclear Localization of NF-ATc by a Calcineurin-Dependent, Cyclosporin-Sensitive Intramolecular Interaction", <i>Genes and Dev.</i> 11:824-834 (1997).
	BY	Behr et al., "Efficient Gene Transfer into Mammalian Primary Endocrine Cells with Lipopolyamine-Coated DNA", <i>PNAS</i> 86:6982-6986 (1989).
	BZ	Berkner et al., "Development of Adenovirus Vectors for the Expression of Heterologous Genes", <i>BioTechniques</i> 6:616-629 (1988).
	CA	Benoist et al., "In Vivo Sequence Requirements of the SV40 Early Promoter Region", <i>Nature</i> 290:304-310 (1981).
	CB	Blondelle et al., "Soluble Combinatorial Libraries of Organic, Peptidomimetic and Peptide Diversities", <i>Trends Anal. Chem.</i> 14:83-92 (1995).
	CC	Bradley et al., "Embryo-Derived Stem Cells: A Tool for Elucidating the Developmental Genetics of the Mouse", <i>Current Topics in Devel. Biol.</i> 20:357-371 (1986).
	CD	Bradley et al., "Formation of Germ-Line Chimaeras from Embryo-Derived Teratocarcinoma Cell Lines", <i>Nature</i> 309:255-258 (1984).
	CE	Brinster et al., "Regulation of Metallothionein-Thymidine Kinase Fusion Plasmids Injected into Mouse Eggs", <i>Nature</i> 296:39-42 (1982).
	CF	Brinster et al., "Factors Affecting the Efficiency of Introducing Foreign DNA into Mice by Microinjecting Eggs", <i>PNAS</i> 82:4438-4442 (1985).
	CG	Brooks et al., CHARMM: A Program for Macromolecular Energy, Minimization, and Dynamics Calculations", <i>J Comput Chem</i> 4:187-217 (1983).
	CH	Buiting et al., "Detection of Aberrant DNA Methylation in Unique Prader-Willi Syndrome Patients and its Diagnostic Implications", <i>Human Mol. Genet.</i> 3:893-895 (1994).
	CI	Burbaum et al., "Understanding Structural Relationships in Proteins of Unsolved Three-Dimensional Structure", <i>Proteins</i> 7:99-111 (1990).
	CJ	Chen et al., "Analogous Organic Synthesis of Small-Compound Libraries: Validation of Combinatorial Chemistry in Small-Molecule Synthesis", <i>JACS</i> 116:2661-2663 (1994).
	CK	Chowdhury et al., "Long-Term Improvement of Hypercholesterolemia After ex vivo Gene Therapy in LDLR-Deficient Rabbits", <i>Science</i> 254:1802-1805 (1991).
	CL	Clackson et al., "Making Antibody Fragments Using Phage Display Libraries", <i>Nature</i> 352:624-628 (1991).
CHK	CM	Cohen et al., "Emerging Technologies for Sequencing Antisense Oligonucleotides: Capillary Electrophoresis and Mass Spectrometry", <i>Adv Chromatogr</i> 36:127-162 (1996).

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CHK	CN	Coleman et al., "Monoclonal Antibodies and Cancer Therapy", Alan R. Liss, Inc. pp. 77-96 (1985).
	CO	Cotton et al., "Reactivity of Cytosine and Thymine in Single-Base-Pair Mismatches with Hydroxylamine and Osmium Tetroxide and Its Application to the Study of Mutations", PNAS USA 85:4397-4401 (1988).
	CP	Cotton, "Current Methods of Mutation Detection", Mutat Res 285:125-144 (1993).
	CQ	Crawford et al., "Hamster adapt78 mRNA Is a Down Syndrome Critical Region Homologue That Is Inductible by Oxidative Stress", Arch. Biochem. Biophys. 342:6-12 (1997).
	CR	Cwirla et al., "Peptides On Phage: A Vast Library of Peptides for Identifying Ligands", PNAS 87:6378-6382 (1990).
	CS	Dai et al., "Gene Therapy Via Primary Myoblasts: Long-Term Expression of Factor IX Protein Following Transplantation In Vivo", PNAS USA 89:10892-10895 (1992).
	CT	Dann et al., "Human Renin: A New Class of Inhibitors", Biochem Biophys Res Commun 134:71-77 (1986).
	CU	Danos et al., "Safe and Efficient Generation of Recombinant Retroviruses With Amphotropic and Ecotropic Host Ranges", PNAS USA 85:6460-6464 (1988).
	CV	Delgrave et al., "Recursive Ensemble Mutagenesis", Protein Engineering 6(3):327-331 (1993).
	CW	Derossi et al., "The Third Helix of the Antennapedia Homeodomain Translocates Through Biological Membranes", J Biol Chem 269:10444-10450 (1994).
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	CZ	DesJarlais, "Using Shape Complementarity as an Initial Screen in Designing Ligands for a Receptor Binding Site of Known Three-Dimensional Structure", J. Med. Chem. 31(4):722-729 (1988).
	DA	Dev et al., "Electrochemotherapy—A Novel Method of Cancer Treatment", Cancer Treat Rev 20:105-115 (1994).
	DB	Devlin et al., "Random Peptide Libraries: A Source of Specific Protein Binding Molecules", Science 249:404-406 (1990).
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CHK	DD	Duzgunes, N., "Membrane Fusion", Subcellular Biochemistry 11:195-286 (1985).

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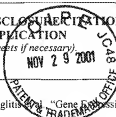
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	DF	Egloff et al., "Crystal Structure of the Catalytic Subunit of Human Protein Phosphatase 1 and its Complex with Tungstates", J. Mol. Biol. 254(5): 942-959 (1995).
	DG	Eisenfield et al., "Constrained Optimization and Protein Structure Determination", Am J Physiol 261:C376-386 (1991).
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	DN	Faux et al., "Regulation of the AKAP79-Protein Kinase C Interaction by Ca <sup>2+</sup> /Calmodulin", JBC 272:17038-17044 (1997).
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	DT	Fromowitz, "The Development of Computer Simulations of the Geometries and Thermodynamics of Biological Molecules", BioTechniques 8:640-644 (1990).
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	EH	Griffith et al., "X-Ray Structure of Calcineurin Inhibited by the Immunophilin-Immunosuppressant FKBP12-FK506 Complex", Cell 82, 507-522 (1995).
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	EZ	Ike et al., "Solid phase synthesis of polynucleotides, VIII. Synthesis of mixed oligodeoxyribonucleotides by the phosphotriester solid phase method", Nucleic Acid Res. 11:477-488 (1983).
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	FF	Itakura, "Expressions in Escherichia coli of a Chemically Synthesized Gene for the Hormone Somatostatin", Science 198:1056 (1984)
	FG	IUPAC-IUB Commission on Biochemical Nomenclature. Symbols for Amino-Acid Derivatives and Peptides <sup>1</sup> Recommendations (1971) (see Biochemistry 11:1726-1732 (1972)).
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	FK	Jahner et al., "De novo methylation and expression of retroviral genomes during mouse embryogenesis", Nature 298:623-628 (1982).
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	FO	Karasuyama et al., "Autocrine Growth and Tumorigenicity of Interleukin 2-Dependent Helper T Cells Transfected with IL-2 Gene", J. Exp. Med. 169:13-25 (1989).
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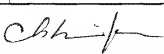
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